General Environmental Incident Summary

Incident: 3578 ***Date/Time Notice:*** 12/9/2014 1734 ***DEM Incident No:***

Responsible Party: Kinder Morgan Cochin Pipeline Bus. Unit

Date Incident: **12/8/2014** ***Time Incident:*** 1245 ***Duration:***

County: Ransom ***Twp:*** 134 ***Rng:*** 54 ***Sec:*** 34 ***Qtr:*** SW SW SW

Lat: 46.37073 ***Long:*** -97.46754 ***Method:*** Interpolation from map

Location Description: 7194 - 141st Ave SE, Milnor, ND

Submitted By: Stephanie Clemons ***Affiliation:*** Kinder Morgan

Address: 6589 S. 8000 W Road

City: Herscher ***State:*** IL ***Zip:*** 60941

Received By: Kris Roberts ND DoH

Contact Person: Gregg Schweitzer
1306 - 21st Ave NE
Jamestown, ND 58401

Distance Nearest Occupied Building: 1 Feet ***Release Contained:*** Yes

Type of Incident: Pipeline Leak

Description of Released Contaminant: **Petroleum Condensates being pipelined to Canada for mixing with Tar Sands**

Volume Spilled: **237.00 gallons** ***Ag Related:*** No

EPA Extremely Hazardous Substance: Unknown ***Reported to NRC:*** Yes

Cause of Incident:

Pump Leak, spread over an area of 50X100 feet, for 1500 sq ft.

Risk Evaluation:

Minimal, but possible flammable atmosphere.

# of Fatalities: 0 ***# of Injuries:*** 0 ***Affected Medium:*** 03 - soil

Potential Environmental Impacts:

None expected, as this impact was on the facility.

Action Taken or Planned:

Leaked stopped. Cleanup contractors and environment consultant are on-scene. Impacted soil being excavated and disposed. Being replaced by clean fill and gravel.

Wastes Disposal Location: Clean Harbors Landfill, Sawyer, ND

Agencies Involved: NDDES, DOT - PHMSA

Updates

Date: 12/9/2014 ***Status:*** Reviewed - Follow-up Required ***Author:*** Roberts, Kris

Updated Volume:

Notes:

Leak from a pump at a pumping station. Petroleum condensates remained on location. Cleanup and consultant contractors on location now removing impacted soil. Followup is necessary. Inspection assistance requested from NDDoH - Waste Management Division landfill inspector at Gwinner.

Date: 12/11/2014 ***Status:*** Inspection ***Author:*** Harries, Alison

Updated Volume:

Notes:

These are notes on the 12/08/2014 visit by ARCADIS from their rep:

Initial Response -
ARCADIS arrived at the Kinder Morgan Milnor, ND pumping station (site) on December 8, 2014 in response to a condensate pipeline leak. After the release had stopped, the surficial extent of the release was visibly identified and marked around the perimeter with marking paint. In order to identify penetration depth of the condensate, a test hole approximately 2 feet in depth was dug with an excavator in the southeast area of the impacted area, and samples were collected at the surface and at depth. The surface sample (SS-1) was found to exceed industrial standards for diesel range organics (DRO) and gasoline range organics (GRO), while the sample at depth (CS-1) was found to be significantly below 100 mg/kg standard set by the NDDoH (Appendix A, Figure 1).

Based on this information, Clean Harbors used a backhoe to remove the top layer of rock and gravel to a total depth of 3 to 6 inches across the release area. An excavator was brought to the site and used to excavate an area approximately 20 feet by 30 feet to a depth ranging from 1 to 1.5 feet directly east of the shed where the release originated. A portion of the excavated material was placed into covered roll-off containers with the remainder stockpiled on site (Figure 2). The stock pile was placed on polyethylene sheeting and then covered with sheeting as well.

Four additional surface samples, along with photoionization detector (PID) readings, were collected in various locations within the release area to identify the potential need to further excavate impacted soil. DRO and GRO levels at sample locations SS-3 and SS-4 (Figure 1) were found to be above regulatory limits for industrial standards.

Date: 12/12/2014 ***Status:*** Correspondence ***Author:*** Roberts, Kris

Updated Volume:

Notes:

Sent email to consultants specifying that the soils needed to be analyzed for Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) and the end results must be below 100 mg/kg.

Date: 12/15/2014 ***Status:*** Inspection ***Author:*** Lundquist, Tracy

Updated Volume:

Notes:

NDDOH personnel visited this site three times in December 2014, on the 10th, 11th, and the 12th. There were representatives of the company, their consultants and the cleanup contractors present each time NDDoH personnel were there. During each inspection, NDDoH personnel took several photographs of the area and the work in progress to clean up the spill. The outline of the spill was spray painted on the soil surface and later there was tape attached to orange posts to outline the contamination. This is shown in some of the photographs. Due to the time of year and the frozen conditions, heavy duty equipment had to be ordered. A larger excavator was present on-site during the inspection on the 11th of December, 2014. The volume of the excavated contaminated soils exceeded the capacity of the 3 roll off boxes that were available, so the excess was placed on the ground surface, underlain with plastic, and then covered with plastic on December 12th, 2014. The roll off boxes and the excess pile were removed from the site later – in May of 2015.

Date: 1/15/2015 ***Status:*** Inspection ***Author:*** Harries, Alison

Updated Volume:

Notes:

These are the notes from the visits on 01/05/2015 and 01/06/2015 by ARCADIS from their rep:

Soil Sample Collection and Delineation -
Further soil sampling was conducted on January 5, 2015 and January 6, 2015. A total of six additional soil samples were collected at the surface, and nine samples were collected at a depth of 1 to 2 feet below the existing grade (Figure 1). PID readings were collected in tandem with sampling. Sampling locations were determined based on analytical results obtained during the initial response and the estimated flow path of the material released from the pipeline.

Using the analytical data obtained from the sampling, the remaining area to be excavated was delineated, and the approximate depth was determined to remove impacted soil (Figure 1, Appendix A). The estimated area of material to be excavated was determined to be 3,550 square feet.

Date: 2/27/2015 ***Status:*** Inspection ***Author:*** Harries, Alison

Updated Volume:

Notes:

Another spill of condensate occurred at the same site in February of 2015. That incident supersedes this one, so future updates about this site are recorded there, General EIR #3795.